

**REMARKS/ARGUMENTS**

Claims 24-37 remain in this application. Claims 1-23 are cancelled without prejudice, and claims 24-37 are newly added without entering any new matters.

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The Examiner is thanked for the thorough examination of the present application. Applicants have made amendments to the claims, and assert that the remaining claims are patentable for at least the reasons set forth herein.

10 **Newly added claims are patentable over the cited reference Adams (U.S. Patent No. 6,594,366):**

Regarding the newly added claim 24, it claims an apparatus comprising an impedance detecting circuit for generating three or more analog signals according to an  
15 impedance of an external device, an analog-to-digital converter for converting the analog signals into digital values including first, second and third digital values, and a control circuit for determining a type of the external device when the first, second and third digital values TOGETHER INDICATE a recognized condition. An embodiment of the claimed invention showing the relation between the digital values and the recognized  
20 condition is illustrated in Fig. 6 of the specification of this application, in which the type of the external device is determined when the digital values DCVOL1, DCVOL2 and DCVOL3 together indicate a recognized condition. Applicants therefore assert that claim 24 is patentable over Adams because Adams NEITHER teaches an impedance detecting circuit for generating at least three analog signals which are thereafter converted into first,  
25 second and third digital values according to an impedance of an external device NOR discloses a control circuit for determining a type of the external device when the first, second and third digital values TOGETHER INDICATE a recognized condition. Besides, applicants further assert that claim 33 is patentable over Adams based on the same

reasons of placing claim 24 allowable. Since claims 25-32 and 34-37 are respectively dependent upon claims 24 and 33, if claims 24 and 33 are found to be allowable, so to should the dependent claims.

5    **Conclusions:**

Therefore, all pending claims are submitted to be in condition of allowance. Applicant respectfully requests that a timely Notice of Allowance be issued in this case. The Examiner is encouraged to telephone the undersigned if there are informalities that  
10   can be resolved in a phone conversation, or if the Examiner has any ideas or suggestions for further advancing the prosecution of this case.

Sincerely yours,

15    Winston Hsu                      Date: 09.02.2007

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Note: Please leave a message in my voice mail if you need to talk to me. (The time in D.C. is 12 hours behind the Taiwan time, i.e. 9 AM in D.C. = 9 PM in Taiwan.)